

=> s similarity matrix

19033 SIMILARITY  
157175 MATRIX  
L1 35 SIMILARITY MATRIX  
(SIMILARITY(W)MATRIX)

=> d 4,6,9,35

4. 5,835,905, Nov. 10, 1998, System for predicting documents relevant to focus documents by spreading activation through network representations of a linked collection of documents; Peter L. Pirolli, et al., 707/3, 5, 102 [IMAGE AVAILABLE]

6. 5,832,494, Nov. 3, 1998, Method and apparatus for indexing, searching and displaying data; Daniel Egger, et al., 707/102, 5, 104 [IMAGE AVAILABLE]

→ 9. 5,778,362, Jul. 7, 1998, Method and system for revealing information structures in collections of data items; Scott Deerwester, 707/5; 704/7, 9; 706/14, 50 [IMAGE AVAILABLE]

35. 4,503,557, Mar. 5, 1985, Pattern recognition apparatus and method; Kenichi Maeda, 382/218, 224 [IMAGE AVAILABLE]

=> s affinity matrix

44703 AFFINITY  
157175 MATRIX  
L2 621 AFFINITY MATRIX  
(AFFINITY(W)MATRIX)

=> s 12 and iterativ?

12993 ITERATIV?  
L3 28 L2 AND ITERATIV?

=> d 1-

1. 5,846,765, Dec. 8, 1998, Identification of novel substrates; David J. Matthews, et al., 435/69.1, 7.2, 7.6, 69.7, 320.1 [IMAGE AVAILABLE]

2. 5,837,500, Nov. 17, 1998, Directed evolution of novel binding proteins; Robert Charles Ladner, et al., 435/69.7, 91.1, 91.2, 471; 530/350, 412; 536/23.4 [IMAGE AVAILABLE]

3. 5,834,598, Nov. 10, 1998, Human growth hormone variants; Henry B. Lowman, et al., 530/399; 930/120 [IMAGE AVAILABLE]

4. 5,834,266, Nov. 10, 1998, Regulated apoptosis; Gerald R. Crabtree, et al., 435/456, 320.1, 325, 366, 463, 465; 536/23.4 [IMAGE AVAILABLE]

5. 5,830,462, Nov. 3, 1998, Regulated transcription of targeted genes and other biological events; Gerald R. Crabtree, et al., 424/93.21; 435/375, 456, 463, 465; 514/44 [IMAGE AVAILABLE]

6. 5,821,047, Oct. 13, 1998, Monovalent phage display; Lisa J. Garrard,

et al., 435/5, 68.1, 69.1, 69.7, 69.8, 235.1, 239; 436/802, 530/350, 387.1, 387.9; 536/24.1 [IMAGE AVAILABLE]

7. 5,785,967, Jul. 28, 1998, Antibodies immunoreactive with leukemia inhibitory factor receptors; David P. Gearing, et al., 424/139.1, 143.1; 435/331, 334; 530/388.22 [IMAGE AVAILABLE]

8. 5,780,279, Jul. 14, 1998, Method of selection of proteolytic cleavage sites by directed evolution and phagemid display; David J. Matthews, et al., 435/6, 69.1, 243, 320.1, 325, 472, 488; 530/300, 399 [IMAGE AVAILABLE]

9. 5,767,064, Jun. 16, 1998, Soluble type II interleukin-1 receptors and methods; John E. Sims, et al., 514/2; 435/69.1; 530/350 [IMAGE AVAILABLE]

10. 5,766,626, Jun. 16, 1998, Cell membrane fusion composition and method; Richard W. Gross, 424/450 [IMAGE AVAILABLE]

11. 5,763,177, Jun. 9, 1998, Systematic evolution of ligands by exponential enrichment: photoselection of nucleic acid ligands and solution selex; Larry Gold, et al., 435/6, 91.2; 536/23.1, 25.4 [IMAGE AVAILABLE]

12. 5,750,373, May 12, 1998, Enrichment method for variant proteins having altered binding properties, M13 phagemids, and growth hormone variants; Lisa J. Garrard, et al., 435/69.4, 320.1; 530/399 [IMAGE AVAILABLE]

13. 5,744,343, Apr. 28, 1998, Ubiquitin conjugating enzymes; Giulio Draetta, et al., 435/193, 252.3, 254.11, 320.1, 325; 536/23.2, 23.4 [IMAGE AVAILABLE]

14. 5,688,666, Nov. 18, 1997, Growth hormone variants with altered binding properties; Steven H. Bass, et al., 435/69.4; 530/399 [IMAGE AVAILABLE]

15. 5,590,261, Dec. 31, 1996, Finite-element method for image alignment and morphing; Stanley E. Sclaroff, et al., 345/473; 382/284, 294 [IMAGE AVAILABLE]

16. 5,571,698, Nov. 5, 1996, Directed evolution of novel binding proteins; Robert C. Ladner, et al., 435/69.7, 6, 69.1, 252.3, 320.1, 477 [IMAGE AVAILABLE]

17. 5,571,681, Nov. 5, 1996, Chemical event selection by suicide substrate conjugates; Kim D. Janda, 435/7.6, 41, 188.5 [IMAGE AVAILABLE]

18. 5,464,937, Nov. 7, 1995, Type II Interleukin-1 receptors; John E. Sims, et al., 530/350 [IMAGE AVAILABLE]

19. 5,420,247, May 30, 1995, Leukemia inhibitory factor receptors and fusion proteins; David P. Gearing, et al., 530/350, 387.3, 388.23, 391.1, 402; 536/23.51 [IMAGE AVAILABLE]

20. 5,403,484, Apr. 4, 1995, Viruses expressing chimeric binding proteins; Robert C. Ladner, et al., 435/235.1, 69.7, 252.3, 320.1; 530/350; 536/23.4 [IMAGE AVAILABLE]

21. 5,350,683, Sep. 27, 1994, DNA encoding type II interleukin-1 receptors; John E. Sims, et al., 435/69.1, 252.3, 320.1; 530/350; 536/23.5 [IMAGE AVAILABLE]

22. 5,319,071, Jun. 7, 1994, Soluble interleukin-1 receptors; Steven K. Dower, et al., 530/350; 424/85.2; 530/351, 395, 402; 930/141 [IMAGE AVAILABLE]

23. 5,296,592, Mar. 22, 1994, Process for purifying interleukin-1 receptors; Steven K. Dower, et al., 530/413, 350, 351, 395, 412, 417 [IMAGE AVAILABLE]
24. 5,284,755, Feb. 8, 1994, DNA encoding leukemia inhibitory factor receptors; David P. Gearing, et al., 435/69.1, 69.7, 252.3, 320.1; 536/23.4, 23.5 [IMAGE AVAILABLE]
25. 5,283,897, Feb. 1, 1994, Semi-dynamic load balancer for periodically reassigning new transactions of a transaction type from an overload processor to an under-utilized processor based on the predicted load thereof; Leonidas Georgiadis, et al., 395/675; 364/281, 281.3, 281.4, 281.5, 281.6, 975.5, DIG.1, DIG.2; 395/800.3; 711/151 [IMAGE AVAILABLE]
26. 5,223,409, Jun. 29, 1993, Directed evolution of novel binding proteins; Robert C. Ladner, et al., 435/69.7, 5, 69.1, 252.3, 320.1, 472; 530/387.3, 387.5 [IMAGE AVAILABLE]
27. 5,081,228, Jan. 14, 1992, Interleukin-1 receptors; Steven K. Dower, et al., 530/351; 424/85.1, 85.2; 435/69.1, 69.5; 514/2, 8; 530/350, 395, 820 [IMAGE AVAILABLE]
28. 4,968,607, Nov. 6, 1990, Interleukin-1 receptors; Steven K. Dower, et al., 435/69.1, 235.1, 252.8; 530/388.22, 399; 536/23.5, 23.51, 24.31 [IMAGE AVAILABLE]

=> s affinity value#

```

      44703 AFFINITY
      858972 VALUE#
L4      116 AFFINITY VALUE#
          (AFFINITY (W) VALUE#)

```

=> s l4 and significance

```

      64672 SIGNIFICANCE
L5      16 L4 AND SIGNIFICANCE

```

=> d 1-

1. 5,843,934, Dec. 1, 1998, Uses of estrogen compounds for the treatment of disease; James W. Simpkins, 514/182 [IMAGE AVAILABLE]
2. 5,750,342, May 12, 1998, Nucleic acid ligands of tissue target; Andrew Stephens, et al., 435/6, 91.2; 536/23.1, 25.4 [IMAGE AVAILABLE]
3. 5,734,052, Mar. 31, 1998, 8-substituted xanthines as selective adenosine receptor agents; Norton P. Peet, et al., 544/273, 267, 272 [IMAGE AVAILABLE]
4. 5,688,935, Nov. 18, 1997, Nucleic acid ligands of tissue target; Andrew Stephens, et al., 536/23.1; 435/6, 91.2 [IMAGE AVAILABLE]
5. 5,589,459, Dec. 31, 1996, Synthetic peptides for detoxification of bacterial endotoxins and for the prevention and treatment of septic shock; Massimo Porro, 514/15, 9, 11, 16, 17, 18; 530/317, 327, 328, 329, 330 [IMAGE AVAILABLE]
6. 5,554,601, Sep. 10, 1996, Methods for neuroprotection; James W. Simpkins, et al., 514/182, 181 [IMAGE AVAILABLE]
7. 5,552,428, Sep. 3, 1996, Compounds effective in the treatment of circadian rhythms and related disorders, the novel pharmaceutical

preparations and novel method of application; Franco Frasconi, et al., 514/415; 548/507 [IMAGE AVAILABLE]

8. 5,426,101, Jun. 20, 1995, 2-substituted adenosines with A-2 receptor affinity; Norton P. Peet, et al., 514/46; 536/27.61 [IMAGE AVAILABLE]

9. 5,391,739, Feb. 21, 1995, Selective adenosine receptor agents; Norton P. Peet, et al., 544/277, 262 [IMAGE AVAILABLE]

10. 5,371,186, Dec. 6, 1994, Synthetic peptides for detoxification of bacterial endotoxins and for the prevention and treatment of septic shock; Massimo Porro, 530/328, 317, 327, 329, 330 [IMAGE AVAILABLE]

11. 5,329,007, Jul. 12, 1994, Selective adenosine receptor agents; Norton P. Peet, et al., 544/262; 536/27.6; 544/277 [IMAGE AVAILABLE]

12. 5,086,176, Feb. 4, 1992, Tricyclic fused adenine derivatives; Norton P. Peet, et al., 544/251, 262, 267 [IMAGE AVAILABLE]

13. 5,064,947, Nov. 12, 1991, Selective adenosine reseptor compounds; Norton P. Peet, et al., 536/27.62, 27.63, 27.7; 544/251 [IMAGE AVAILABLE]

14. 5,047,534, Sep. 10, 1991, Selective adenosine receptor agents; Norton P. Peet, et al., 544/267, 272, 273 [IMAGE AVAILABLE]

15. 4,997,771, Mar. 5, 1991, Method for measuring the BZ-1 receptor binding activity in a test sample or test compound; Allen Barnett, et al., 436/501; 435/4, 810; 436/503, 504, 804, 808, 816, 901; 514/249; 540/504, 510 [IMAGE AVAILABLE]

16. 4,925,848, May 15, 1990, Derivative of codeine useful as an agonist and process for the preparation of it; John W. Lewis, et al., 514/282; 546/40, 45 [IMAGE AVAILABLE]

=> s similarity(2w)matrices

19033 SIMILARITY  
23071 MATRICES  
L6 17 SIMILARITY(2W)MATRICES

=> d 1-

1. 5,858,748, Jan. 12, 1999, Gram-positive alkaliphilic microorganisms; Brian Edward Jones, et al., 435/183, 190, 195, 196, 197, 198, 201, 202, 210, 220, 221, 252.1, 252.31, 252.4 [IMAGE AVAILABLE]

2. 5,835,905, Nov. 10, 1998, System for predicting documents relevant to focus documents by spreading activation through network representations of a linked collection of documents; Peter L. Pirolli, et al., 707/3, 5, 102 [IMAGE AVAILABLE]

3. 5,784,294, Jul. 21, 1998, System and method for comparative molecular moment analysis (CoMMA); Daniel Enoch Platt, et al., 702/27; 364/578 [IMAGE AVAILABLE]

4. 5,733,767, Mar. 31, 1998, Gram-negative alkaliphilic microorganisms; Brian Edward Jones, et al., 435/198, 202, 220, 221, 252.1, 252.31, 252.4 [IMAGE AVAILABLE]

5. 5,719,959, Feb. 17, 1998, Similarity determination among patterns using affine-invariant features; Radovan V. Krtolica, 382/209, 201, 202, 259 [IMAGE AVAILABLE]

6. 5,719,047, Feb. 17, 1998, Gram-negative alkaliphilic microorganisms;

Brian Edward Jones, et al., 435/183, 252.1, 252.31, 252.4 [IMAGE AVAILABLE]

7. 5,707,851, Jan. 13, 1998, Gram-positive alkaliphilic microorganisms; Brian Edward Jones, et al., 435/252.1 [IMAGE AVAILABLE]

8. 5,610,060, Mar. 11, 1997, Isolated Helicobacter hepaticus; Jerrold M. Ward, et al., 435/252.1, 243 [IMAGE AVAILABLE]

9. 5,571,716, Nov. 5, 1996, Gram-negative alkaliphilic microorganisms; Brian E. Jones, et al., 435/252.1, 198, 253.3, 822 [IMAGE AVAILABLE]

10. 5,555,102, Sep. 10, 1996, System and method for generating images with improved visual quality using local correlation, ordered dither; John C. Dalton, 358/456, 457, 460, 466 [IMAGE AVAILABLE]

11. 5,514,575, May 7, 1996, Gram-negative alkaliphilic microorganisms; Brian E. Jones, et al., 435/198, 202, 220, 221, 252.1, 252.31, 252.4 [IMAGE AVAILABLE]

12. 5,459,062, Oct. 17, 1995, Gram-negative alkaliphilic microorganisms; Brian E. Jones, et al., 435/252.1, 252.31, 252.4 [IMAGE AVAILABLE]

13. 5,440,663, Aug. 8, 1995, Computer system for speech recognition; Gerald Moese, et al., 704/255, 200, 251, 256 [IMAGE AVAILABLE]

14. 5,401,657, Mar. 28, 1995, Gram-positive alkaliphilic microorganisms; Brian E. Jones, et al., 435/252.1 [IMAGE AVAILABLE]

15. 5,222,195, Jun. 22, 1993, Dynamically stable associative learning neural system with one fixed weight; Daniel L. Alkon, et al., 706/25, 18, 31 [IMAGE AVAILABLE]

16. 4,753,876, Jun. 28, 1988, Marker genes in pseudomonad bacteria; Bruce C. Hemming, et al., 435/34, 479, 874 [IMAGE AVAILABLE]

17. 4,503,557, Mar. 5, 1985, Pattern recognition apparatus and method; Kenichi Maeda, 382/218, 224 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 17:38:58 ON 20 JAN 1999)

L1 35 S SIMILARITY MATRIX  
L2 621 S AFFINITY MATRIX  
L3 28 S L2 AND ITERATIV?  
L4 116 S AFFINITY VALUE#  
L5 16 S L4 AND SIGNIFICANCE  
L6 17 S SIMILARITY(2W)MATRICES

=> s similarity (p) elicit? and information

19033 SIMILARITY  
12045 ELICIT?  
58 SIMILARITY (P) ELICIT?  
388036 INFORMATION  
L7 35 SIMILARITY (P) ELICIT? AND INFORMATION

=> s 17 and significance

64672 SIGNIFICANCE  
L8 11 L7 AND SIGNIFICANCE

=> d 1-

1. 5,858,786, Jan. 12, 1999, *Pseudomonas syringae* pv *Syringae* hrpZ gene; Alan Collmer, et al., 435/419, 69.1, 71.2, 252.3, 320.1, 325, 874; 536/23.1, 23.7 [IMAGE AVAILABLE]
2. 5,807,688, Sep. 15, 1998, Catalytic antibodies for carbamate activation by a non-spontaneous reaction mechanism; George Michael Blackburn, et al., 435/7.6; 424/94.1, 175.1; 435/188.5 [IMAGE AVAILABLE]
3. 5,766,867, Jun. 16, 1998, Non-A, non-B hepatitis related nucleic acids, proteins, peptides, antigens, and antibodies; Shunji Mishiro, et al., 435/7.92; 424/130.1, 141.1; 435/5, 7.1, 7.9, 7.94, 7.95, 810; 436/547, 548; 530/387.1, 388.1, 389.1, 391.1 [IMAGE AVAILABLE]
4. 5,756,674, May 26, 1998, Peptides that induce antibodies which neutralize genetically divergent HIV-1 isolates; Hermann Katinger, et al., 530/350; 424/184.1, 188.1, 208.1; 530/329, 330 [IMAGE AVAILABLE]
5. 5,708,139, Jan. 13, 1998, *Pseudomonas syringae* pv *syringae* hrpZ gene; Alan Collmer, et al., 530/350; 435/874; 536/23.7 [IMAGE AVAILABLE]
6. 5,693,752, Dec. 2, 1997, Peptides that induce antibodies which neutralize genetically divergent HIV-1 isolates; Hermann Katinger, et al., 530/329; 424/184.1, 188.1, 204.1, 208.1; 530/350 [IMAGE AVAILABLE]
7. 5,631,227, May 20, 1997, Somatotropin analogs; Gary C. Harbour, et al., 514/12; 530/399 [IMAGE AVAILABLE]
8. 5,591,590, Jan. 7, 1997, Neuronal nicotinic acetylcholine receptor assay; Stephen F. Heinemann, et al., 435/7.1, 6, 7.2; 436/501 [IMAGE AVAILABLE]
9. 5,406,956, Apr. 18, 1995, Method and apparatus for truth detection; Lawrence A. Farwell, 600/544 [IMAGE AVAILABLE]
10. 5,371,188, Dec. 6, 1994, Neuronal nicotinic acetylcholine receptor compositions; Stephen F. Heinemann, et al., 530/350; 435/6, 69.1, 252.3, 320.1 [IMAGE AVAILABLE]
11. 5,333,150, Jul. 26, 1994, Demodulation and synchronization method and system for digitally modulated signals; Hans-Peter Ketterling, 375/324; 329/302, 321; 375/328 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 17:38:58 ON 20 JAN 1999)

```

L1      35 S SIMILARITY MATRIX
L2      621 S AFFINITY MATRIX
L3      28 S L2 AND ITERATIV?
L4      116 S AFFINITY VALUE#
L5      16 S L4 AND SIGNIFICANCE
L6      17 S SIMILARITY(2W)MATRICES
L7      35 S SIMILARITY (P) ELICIT? AND INFORMATION
L8      11 S L7 AND SIGNIFICANCE

```